

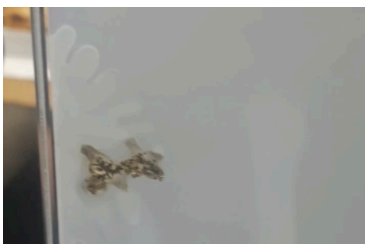
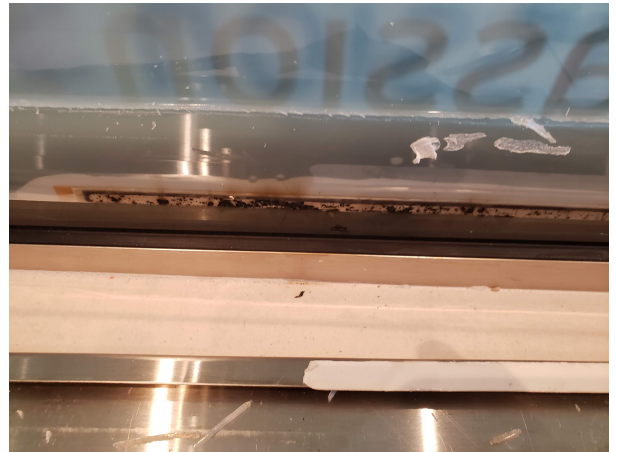
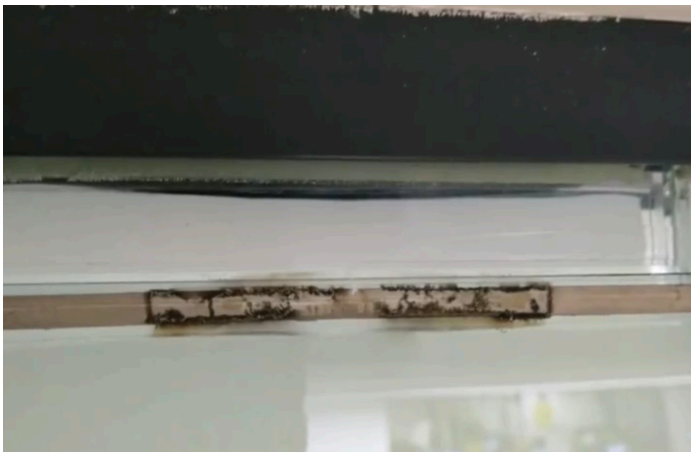
# INSTALLATION PRECAUTIONS GUIDE

Pictures of PDLC Glass and Film with damages caused by incorrect connection, maintenance or installation for your knowledge:

## Burned busbar

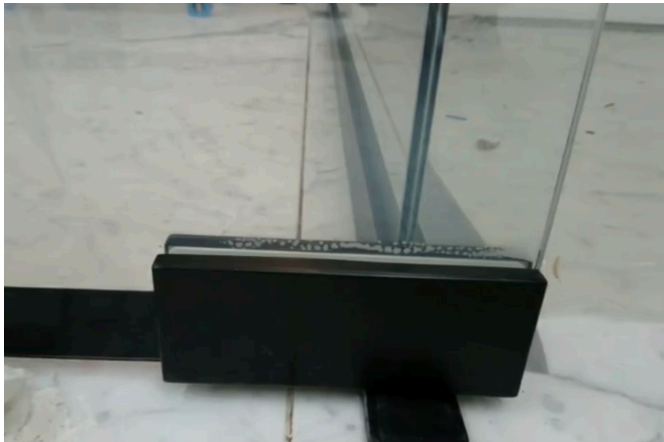
**ALWAYS** check if you are connecting input voltage to correct transformer side. Please pay attention at labels INPUT & OUTPUT

Connecting output to 120VAC would create x3 times more voltage and will burn busbar and film leaving permanent burned pixels



### **Glass delamination caused by hardware pressure**

When installing hardware make sure it's not over tightened. Excess pressure will squeeze out crystals causing permanent damage on the smart glass. Also make sure you do not over tighten gaskets in the U channels when CRL roller



### **Unapproved silicone causing crystals to dissolve.**

Please make sure you are using acid free silicone - Toshiba 83 as per SGG recommendation to prevent chemical reaction with ITO



### **Two panels with opposite busbars installed to close**

When two opposite busbars on panels connecting or very close to each other, this creates short circuit causing burning or even sparking. ALWAYS make sure that close busbars have same polarity



### **Incorrect maintenance ( moisture on the edges ).**

Water is the dissolving liquid crystals when gets on the edge of the film or glass. Please make sure neutral, single component silicone is applied to prevent water infiltration causing permanent damage or delamination



### **Short circuit caused by the frame contact or rough trim**

During installation of the film always make sure that it doesn't touch the frame. This might cause ITO jam and local short circuit. Also make sure you are using sharp scissors when trimming the film. Rough cut might cause slight shortage around the cut.

**To fix this issue, just trim shorted area with new razor.** See Example:

